APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Production of N-Phenylpyrrolidine From Butanediol-1,4 and Aniline in Presence of Aluminosilicate, by Yu. K. Yuryev, A. V. Arbatsky, I. K. Korobitsyna, V. M. Andreyev, 2 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XXVIII, No 7, 1955, pp 781-783 CIA C 40838

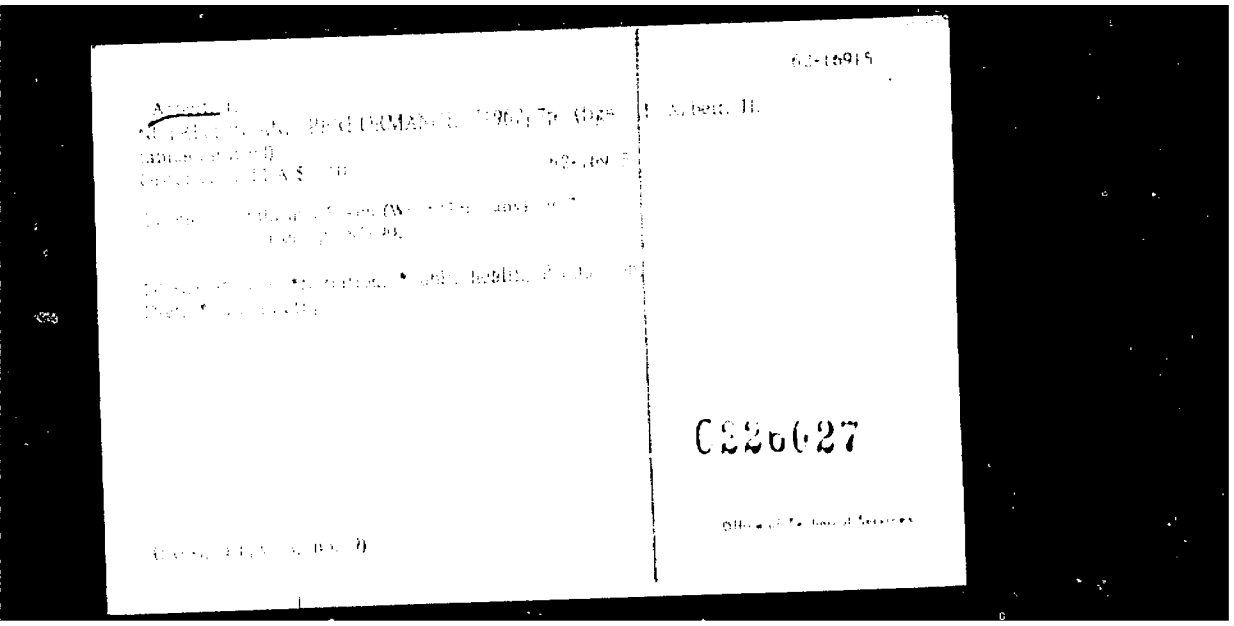
Consultants Bureau

Sci - Chemistry
Mar 56 CTS/dex

31,531

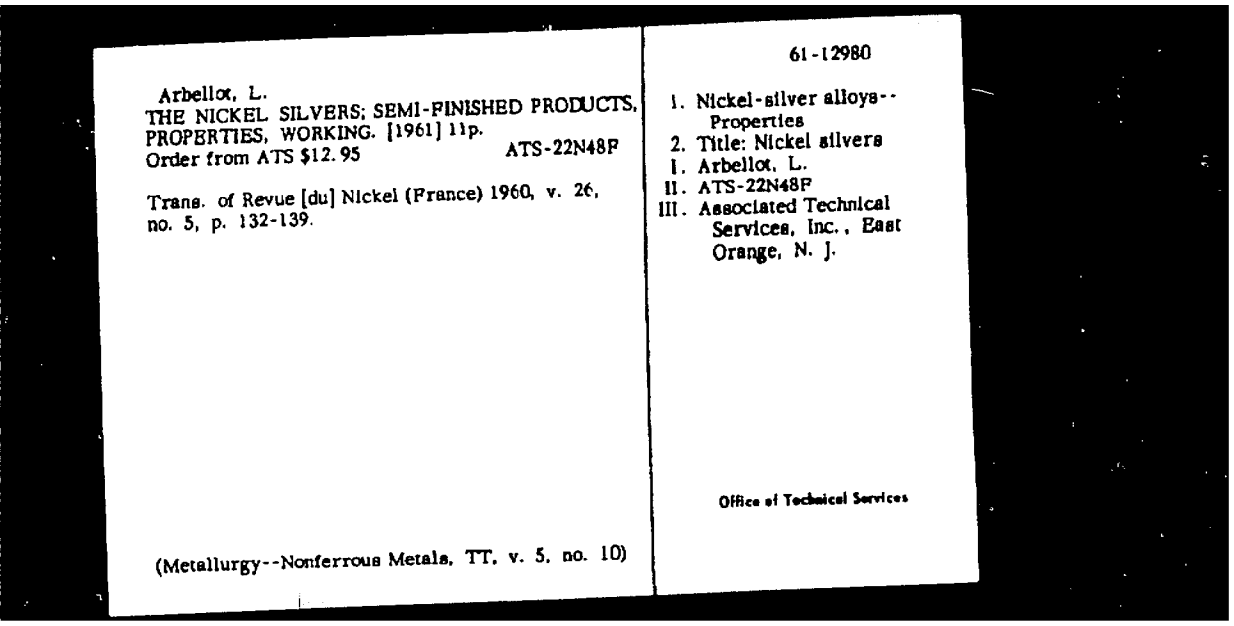
APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Arbellot, L.
THE NICKEL SILVERS; SEMI-FINISHED PRODUCTS, PROPERTIES, WORKING. [1961] 11p.
Order from ATS $12.95 ATS-22N48F

Trans. of Revue [du] Nickel (France) 1960, v. 26, no. 5, p. 132-139.

(Metallurgy--Nonferrous Metals, TT, v. 5, no. 10)

61-12980

1. Nickel-silver alloys--Properties
2. Title: Nickel silvers
I. Arbellot, L.
II. ATS-22N48F
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Behavior of Nickel and Its Alloys in the Presence of Halogens, by L. Arbellot,

FRENCH, per, Corrosion et Anticorrosion, 1957, Vol V, pp 112-118.

ATS-38L32F

ATS-202-FJ

Sci
Feb 60
Vol 2, No 9

107,014

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Molecular Mass Spectrography of Natural Substances.
Steroids, by M. Ardenne.
GERMAN, per Experienta, Vol. 19, 1963, pp 178-180
CSIRO/No. 7980

M ARDENNE

Sci -
Aug 67

338-532

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Shrinkage Tendency of Aluminium Casting Alloys, by H. Arbenz.
GERMAN, per, Giesserei, Vol 49, No 5, 1962, pp 105-110.
NRC/Ref: C-5121

H. ARbenz

Sci -
Jul 67

334,832

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Structure of the Tail of Phages T2 and T4 and the Mechanism of Irreversible Adsorption, by E. Kellenberger, W. Arber, 22 pp.

GERMAN, per, Zeit fuer Naturforschung, Vol Xb, No 12, 1955, pp 698-704.

NIH Tr 10-28

Sci - Medicine

54,673

Oct 57

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Selective Use of Diquat and Paraquat For Weed Control of Fodder Crops Grown For Seed and Their Artificial Drying Before Harvesting. Destroying Fodder With Paraquat and Diquat, by P. d'Arbigny.
FRENCH, per Fourrages, No. 18, 1964, pp 41-49
GB 39/HO 2362

P d'ARBIGNY

Sci -
Aug 67

338-515

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Nitration of Aliphatic Chains, by Alfred Maillard, Nomain Arbognat, 2 p.

FRENCH, per, Comptes Rendus Acad des Sci, 1950, Vol CCXXXI, No 22, pp 1237-1238.

SLA 60-10367

Sci
Apr 60
Vol III, No 3

112,088

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

EFFORTS TO INCREASE PRODUCTION IN VARIOUS FIELDS NOTED, BY ELOY RIBALTA ARBOLAEZ, 5 PP.

SPANISH, NP, EL MUNDO, 2 DEC 1962, P B-2.

JPRS 17158

LA - CUBA
ECON
JAN 63

219,635

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Geothermal Regime of Some Areas in the Georgian SSR, by D. Z. Arbolishvili, 5 pp.

RUSSIAN, per, Geolog Neft, Vol II, No 12-B, 1958, pp 42-45.

Rev of Russian Geol

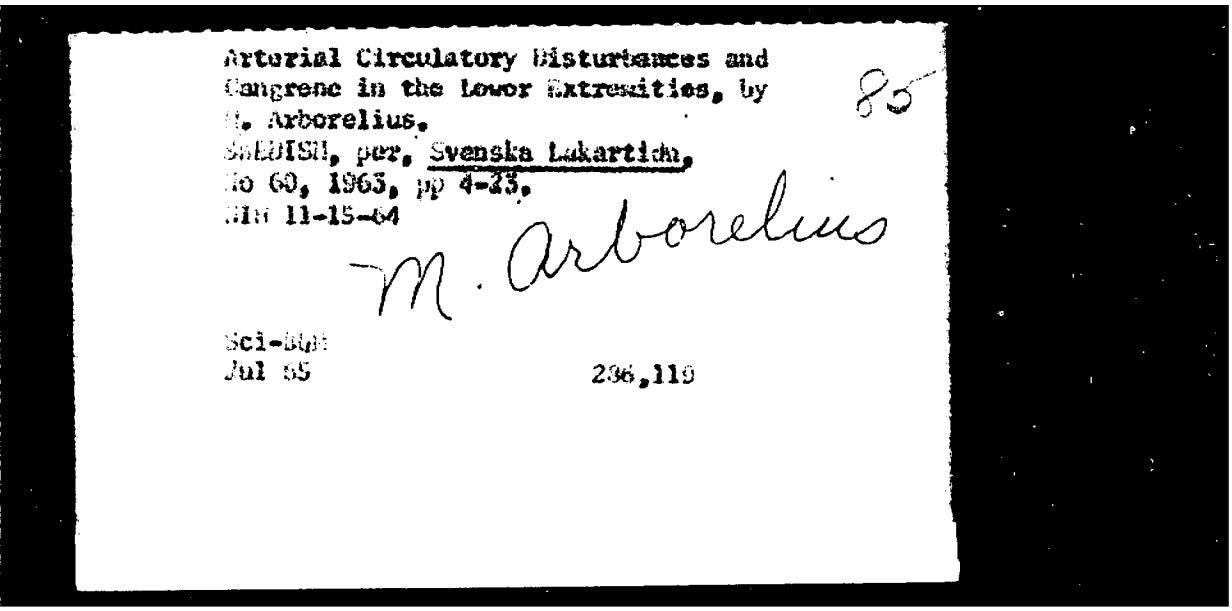
Sci

Jun 60

117,947

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Arterial Circulatory Disturbances and Gangrene in the Lower Extremities, by M. Arborelius.

SWEDISH, per, Svenska Lakartidn, No 60, 1963, pp 4-23.

JPRS 11-15-64

85

M. Arborelius

Sci-Biol
Jul 65

236,119

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

J-940/67

The Responsibility of Individuals in Regard to International Problems, by Gabriel d'Arboussier.
FRENCH, rpt, 1966, pp 1-9.
*JPRS/SPECIAL/NY-13500

Nov 66

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

On the Structure of the Product of Reaction Between Certain α-Halogen-Ketones of the Carboxyclic Series and Triethyl-Phosphite or Sodium Diethylphosphite, by B. A. Arbusov, V. S. Vinogradova, N. A. Polezhayeva, 4 p.

RUSSIAN, Per, Dok Ak Nauk SSSR, 1958, Vol CXXI, No 4, pp 641-643.

SLA 59-15370

Sci
Dec 59
Vol 2, No 6

104,126

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Isomerization of Alpha Pinene to an Aliphatic Terpene (Alloocimene). I. Preparation and Properties. II. Constitution of the Terpene, by B. Arbuzov.

GERMAN, per, Ber, Vol LXVII, 1934, pp 563-573.

S.L.A. ~~Pr Pool~~

Scientific - Chemistry
CTS/DEX

14,195

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Bifunctional Organophosphorus Compounds. Communication 1. Addition of Phenyl-phosphine to Unsaturated Compounds, by B. A. Arbuzov, G. M.-Vinokurova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1962, pp 290-294.

Consultants Bureau

Sci
Dec 62

218,184

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Elastic Scattering of Hyperons and K_1^0 Mesons on Hydrogen, by B.A. Arbuzov, E.N.Kladnitskaya, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLII, No 4, 1962, pp 979-984.

AIP
Sov Phys - JETP
Vol XV, No 4

Sci

214,957

Sep 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Oxides of Certain Derivatives of α -Pinene and Their Isomerization, by B. A. Arbuzov, V. A. Frinovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 3, 1957, pp 427-429.

Consultants Bureau

Sci - Chemistry
Jul 58

66,759

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Phosphoric and Phosphorothioic Esters Containing Heterocyclic Groups. Communication 4. Reaction of Phosphorochloridic and Phosphorochloridothioic Compounds With 2-Aminopyridine, by B. A. Arbuzov, et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1961, pp 2163-2168.

CB

Sci
Sep 62

211,827

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Some Bifunctional Compounds Containing Phosphbrous, by B. A. Arbuzov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [illegible] 1959, pp 272-278. 26 Nov - 1 DEC

ATS RJ-4003

Sci- Chem
Dec 63

244, 913

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Trends in the Developement of the Chemistry of Organophosphorous Compounds, by B. A. Arbuzov.

RUSSIAN, rpt, Khimiya i Primenie Fosfororganicheskikh Soedinii, 1959, pp 5-23.

24 Nov - 1 Dec
ATS RJ-3984

Sci-Chem
Dec 63

244,918

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Heterocyclic Compounds Containing Phosphorus in the Ring. Communication 2. Study of the Reaction of Dienic Hydrocarbons with Aryl-and Alkyl-Phosphonous Dichlorides and with Aryl and Alkyl Phosphorodichloridites, by B. A. Arbuzov, L. A. Shapshinskaya, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSR, Otdel Khim Nauk, No 1, 1962, pp 65-70.

CB

Sci

Aug 62 214,579

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Action of Carbon Disulfide on Sodium Diethylphosphite, by B. A. Arbuzov, E. N. Dianova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 12, 1961, pp 4015-4019.

CB

Sci

Oct 62 214,852

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

B-Keto Phosphonic Esters, Communication 10. Diethyl 2-Oxocyclopentylphosphonate, by B. A. Arbuzov, V. S. Vinogradiva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSR, Otdel Khim Nauk, No 1, 1962, pp 71-77.

CB

Sci 214,580

Aug 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Vinyltin Compounds in Diene Synthesis With Cyclones, by B. A. Arbuzov, L. A. Shapshinskaya, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, X Otdel KHim Nauk, No 12, 1961, pp 2160-2162.

CB

Sci
Sep 62

211,82X6

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Hexadecyl Esters of Certain Inorganic Acids, by
B. A. Arbuzov, V. S. Vinogradova, 2 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, May-Jun 1952, pp 505-506.

Consultants Bureau

USSR
Scientific - Chemistry

Mar 54 CTS/DEX

10,216

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Diene Synthesis of Alloocimene With Unsymmetrical Dienophiles, by A. R. Vil'chinskaya, B. A. Arbuzov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8, 1959, pp 2718-2723.

Consultants Bureau

Sci

Aug 60

126,748

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Syntheses on the Basis of the Ethyl Ester of Hydroxymethylphosphinic Acid, by B. A. Arbuzov, N. P. Bogonostseva, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8, 1959, pp 2617-2622.

Consultants Bureau

Sci

Aug 60

126,724

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

On the Asymptotic Behavior of the Photon Propagator in Quantum Electrodynamics, by B. A. Arbuzov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 6, 1959, pp 1149-1152.

Amer Inst of Phys
Sov Phys-Doklady
Vol IV, No 5

8c1

May 60

118,091

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Ethylphosphonous Esters and Some of Their Reactions. Communication 8. Mixed Anhydrides of Dialkyl Phosphites, Alkyl Ethylphosphonites, and Diethylphosphinous Acids, by B. A. Arbuzov, N. I. Rizpolozhenskiy, M. A. Zvereva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1958, pp 706-712.

Consultants Bureau

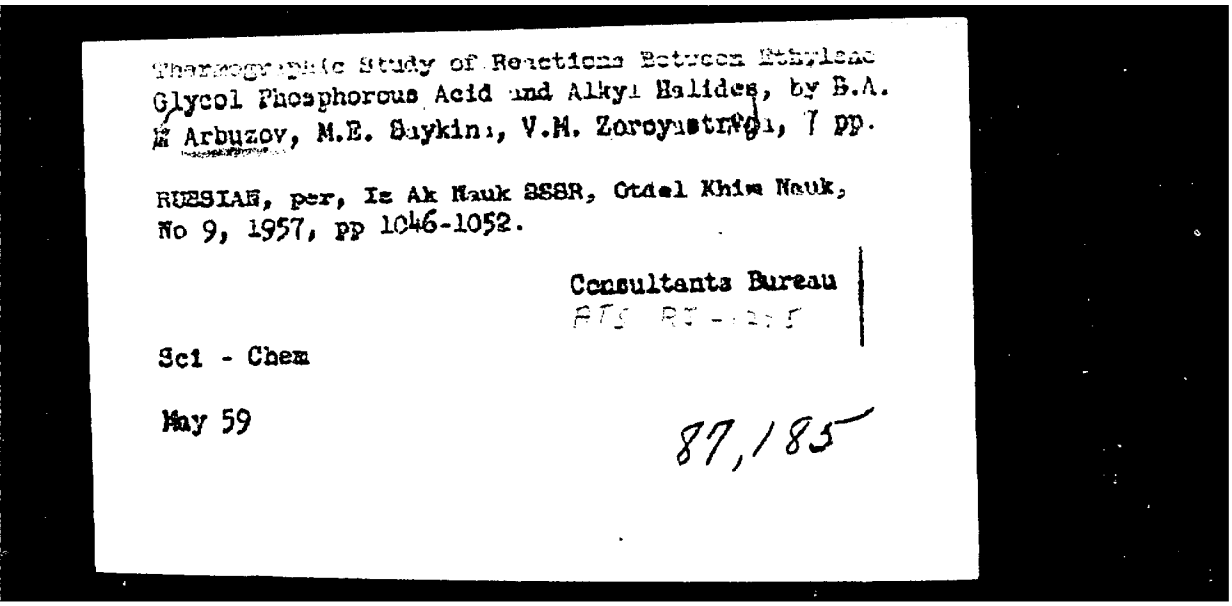
Sci

112,248

Apr 60

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Thermographic Study of Reactions Between Ethylene Glycol Phosphorous Acid and Alkyl Halides, by B.A. Arbuzov, M.E. Baykina, V.M. Zoroastrova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1957, pp 1046-1052.

Consultants Bureau
FTS RT-[illegible]

Sci - Chem

May 59

87,185

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Composition of the Resin Acids of the Oleoresins of Pinus pithyusa and Pinus insignis, B. A. Arbuzov, A. G. Khismatullina, 7 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1958, pp 166-173.

Consultants Bureau

Sci - Chem

May 59

86,890

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

β

β-Keto Phosphonic Esters, Communication 1, Phosphonoacetic and Acetonylphosphonic Esters, and Their Homologs, B. A. Arbuzov, V. S. Vinogradova, 10 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1957, pp 54-64.

Consultants Bureau

Sci - Chem

May 59

86,912

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

β-Keto Phosphonic Esters. Communication 3. Structure of the Products of the Reaction of Some Halo Ketones with Triethyl Phosphite and with Sodium Diethyl Phosphite, by B. A. Arbuzov, V. S. Vinogradova, N. A. Polezhayeva, 8 pp.

RUSSIAN, par, Iz, Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1959, pp 41-49.

Consultants Bureau

Sci - Chem

Apr 60

113,179

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

α-Keto Phosphonic Esters. Communication 4. Infrared Spectra of the Products of the Reaction of α-Halo Ketones with Triethyl Phosphite and with Sodium Diethyl Phosphite, by B. A. Arbuzov, M. E. Movsesyan, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1959, pp 267-271.

Consultants Bureau

Sci - Chem

Apr 60

113, 219

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Intermediate Products in the Arbuzov Rearrangement, by B. A. Arbuzov, et al.

RUSSIAN, per, from Symposium: Trans First Conf at Kazan "The Chemistry and Uses of Organophosphorus Compounds", 8-10 Dec 1955, Publ Acad Sci USSR, Moscow, pp 62-75, 1957.

ATS RJ-1223

Sci - Chem
Apr 60

114,554

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Esters of Some Phosphinic and Phosphoric Acids, by B. A. Arbuzov, E. N. Ukhvatova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2, 1959, pp 503-506.

Consultants Bureau

Sci

Apr 60

112,341

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Addition of Phenylphosphine to Unsaturated Compounds, by B. A. Arbuzov, G. M. Vinokurova, I. A. Perfil'yeva, 8 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1959, Vol CXXVII, No 6, pp 1217-1220.

SLA 60-10389

Sci
Apr 60
Vol III, No 3

112,076

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Reaction of Halogen Derivatives of Some β-Disulfones With Sodium Diethylphosphite and Triethyl Phosphite, by B. A. Arbuzov, N. P. Bogonostseva, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 9, 1957, pp 2356-2359.

Consultants Bureau

Sci - Chem
Oct 58

95, 106

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Diethyl Ester of Cyclohexanone-2-Phosphinic Acid, by B. A. Arbuzov, V. S. Vinogradova, M. A. Polezhayeva, 4 pp.

RUSSIAN, per, Dok ak Nauk SSSR, Vol CXXVIII, No 1, 1959, pp 84-84.

CB

Sci - Chem
Sep 60

127,712

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Diene Synthesis. Communication 1. Study of the Diene Synthesis by the Spectrophotometric Method, by B. A. Arbuzov, A. I. Konovalov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1959, pp 2130-2134.

CB

130,327

Sci
Oct 60

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Arbuzov, B. A. / Polezhayeva, N. A., and Vinogradova, V. S.
ACTION OF DIETHYL HYDROGEN PHOSPHITE ON PARA-QUINONE AND α-NAPHTHOQUINONE. [1960]
6p.
Order from ATS $9.00 ATS-69M45R

Trans. of *Akad[emiya] Nauk SSSR. Otdel[eniye] Khim[icheskikh] Nauk. Izvest[iya] 1960, no. 7, p. 1219-1223.

(Chemistry--Organic, TT, v. 5, no. 1)

61-12086

1. Quinones--Chemical reactions
2. Phosphites--Chemical reactions
I. Arbuzov, B. A.
II. Polezhayeva, N. A.
III. Vinogradova, V. S.
IV. ATS-69M45R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Diene Synthesis With Levo-Pimaric Acid, by B. A. Arbuzov, A. G. Khismatullina, 4 pp.

RUSSIAN, ~er, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1959, pp 2126-2129.

CB

Sci
Oct 60

130,325

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Esters of B-Ketophosphonic Acids. 9. Reaction of 2,6-Dibromo- and 2,6-Dichlorocyclohexanone With One and Two Moles of Triethyl Phosphite, by B. A. Arbuzov, V. S. Vinogradova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1961, pp 2020-2028.

CB

Sci

Jul 62

205,100

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Arbuzov, B. A., and Nikitina, V. L.
ADDITION OF CARBON TETRACHLORIDE TO BUTADIENE AND PIPERYLENE. [1960] 3p.
Order from ATS $6.25 ATS-07M46R

Trans. of *Akad[emiya] Nauk SSSR. Otdel[eniye] Khim[icheskikh] Nauk. Izvest[iya] 1960, no. 6, p. 1131-1133.

ATS-3674

(Chemistry--Organic, TT, v. 5, no. 5)

61-12318

1. Carbon tetrachloride--Chemical reactions
2. Butadienes--Chemical reactions
3. Piperylene--Chemical reactions

I. Arbuzov, B. A.
II. Nikitina, V. L.
III. ATS-07M46R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Arbuzov, B. A. and Pudovik, A. N.
ORGANO-PHOSPHORUS TIN COMPOUNDS. I. SYNTHESIS OF COMPOUNDS $R_3Sn\text{-}P\overset{O}{=}(OR)_2$. [1960] 16p.
Order from I.C or SI.A mi$2.40, ph$3.30 61-10745

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1947, v. 17, no. 12, p. 2158-2165.
Another translation is available from ATS $17.40, as ATS-27L29R [1958] 10p.

The action of trialkyl tin halide compounds on trialkyl phosphites leads to the formation of the ester of trialkyl tin phosphonic acid. The compound obtained is the first representative of tin phosphorous compounds with a directly bonded P-Sn. The P-Sn bond in the product obtained is unstable and can be broken easily at room temperature by the action of 5% HCl, chlorine and acetyl chloride. Water in the absence of acids does not hydrolyze the ester of trialkyl tin phosphonic acid at 100°. By heating on a water bath with an
(Chemistry--Organic, TT, v. 5, no. 9) (over)

61-10745

1. Tin compounds (Organic)--Synthesis
2. Phosphorus compounds (Organic)--Synthesis
I. Arbuzov, B. A.
II. Pudovik, A. N.
III. Title: Synthesis...

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Arbuzov, B. A. and Grechkin, N. P.
ORGANO-PHOSPHORUS TIN COMPOUNDS. [II]. SYNTHESIS OF COMPOUNDS $R_2Sn(P^{\neq O}=(OR)_2)_2$. [1960] 22p.
Order from I.C or SLA mi$2.70, ph$4.80 61-10746

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1947, v. 17 [no. 12] p. 2166-2177.
Another translation is available from ATS $17.70 as ATS-28L29R [1958] 14p.

By the interaction of dialkyl tin dihalide compounds on trialkylphosphite a new type of phosphorus tin compound is obtained, the ester of dialkyl tin diphosphonic acid. The compounds show dimerism. The P-Sn bond in $R_2Sn(PO(OR)_2)_2$ is unstable and is easily broken by the action of HX acids, halides and NaOH. By the interaction of CH_3SnI_3 with trimethyl phosphite, $CH_3Sn(PO(OCH_3)_2)_3$ is obtained. It cannot be isolated in an analytically pure state. An analogous reaction occurs between tin iodide and triethylphosphite. In
(over)
(Chemistry--Organic, TT, v. 5, no. 9)

61-10746

1. Tin compounds (Organic)--Synthesis
2. Phosphorus compounds (Organic)--Synthesis
I. Arbuzov, B. A.
II. Grechkin, N. P.
III. Title: Synthesis...

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Arbuzov, B. A. and Grechkin, N. P.
ORGANO TIN PHOSPHORUS COMPOUNDS. III. SYNTHESIS OF COMPOUNDS WITH THE PHENYL RADICAL LINKED TO PHOSPHORUS. [1960] 16p.
Order from LC or SLA mi$2.40, ph$3.30 61-10744

Trans. of [*Zhurnal Obshchey Khimii] (USSR) 1950, v. 20, p. 107-115.

By the action of alkyl tin halide derivatives on the esters of phenylphosphonous and diphenylphosphinous acids phosphorous tin compounds are synthesized containing the phenyl radical linked to P. In the compounds the bond P-Sn is easily ruptured by the action of HCl, KOH and Cl_2. Pure water does not rupture the P-Sn bond upon boiling. (Author) (See also 61-10746)

(Chemistry--Organic, TT, v. 5, no. 9)

61-10744

1. Tin compounds (Organic)--Synthesis
2. Phosphorus compounds (Organic)--Synthesis

I. Arbuzov, B. A.
II. Grechkin, N. P.
III. Title: Synthesis

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Esters of B-Ketophosphonic Acids. 8. Reaction of 2,6-Dibromocyclohexanone With Triethyl Phosphite, by B. A. Arbuzov, V. S. Vinogradova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1961, pp 2013-2019.

CB

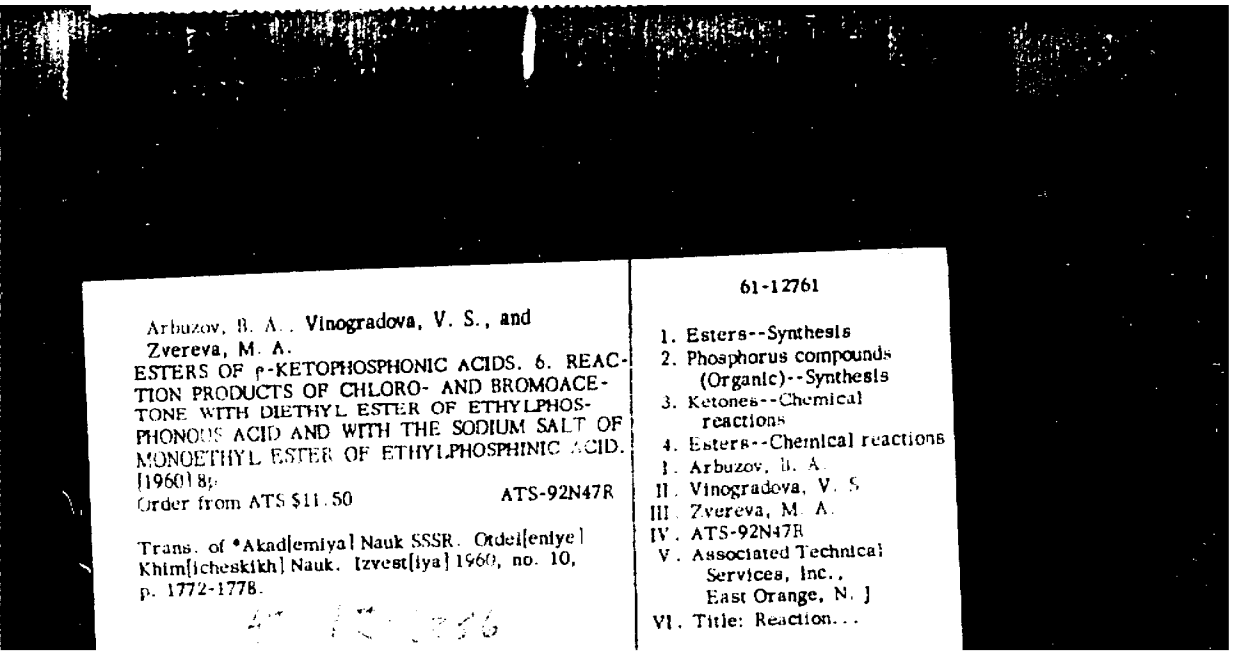
Sci

Jul 62

205,099

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Arbuzov, B. A., Vinogradova, V. S., and Zvereva, M. A.
ESTERS OF β-KETOPHOSPHONIC ACIDS. 6. REACTION PRODUCTS OF CHLORO- AND BROMOACETONE WITH DIETHYL ESTER OF ETHYLPHOSPHONOUS ACID AND WITH THE SODIUM SALT OF MONOETHYL ESTER OF ETHYLPHOSPHINIC ACID. [1960] 8p.
Order from ATS $11.50 ATS-92N47R

Trans. of *Akad[emiya] Nauk SSSR. Otdel[eniye] Khim[icheskikh] Nauk. Izvest[iya] 1960, no. 10, p. 1772-1778.

61-12761

1. Esters--Synthesis
2. Phosphorus compounds (Organic)--Synthesis
3. Ketones--Chemical reactions
4. Esters--Chemical reactions
I. Arbuzov, B. A.
II. Vinogradova, V. S.
III. Zvereva, M. A.
IV. ATS-92N47R
V. Associated Technical Services, Inc., East Orange, N. J.
VI. Title: Reaction...

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Monooxide and Dioxide of Abietic Acid, by B. A. Arbuzov, A. G. Khismatullina, 7 pp.

RUSSIAN, per, IzAk Nauk SSSR, Otdel Khim Nauk, No 7, 1961, pp 1280-1287.

CB

Sci

Jun 62

200,194

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Esters of Cyclohexen 2-yl-1-Phosphinic Acid and Some of Their Derivatives, by B. A. Arbuzov, E. N. Dianova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 7, 1961, pp 1288-1291.

CB

Sci

200,185

Jun 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Diene Synthesis of Allocimenes With Unsymmetrical Dienophiles. II. Synthesis of Substituted Naphthalenes From Adducts With Allocimenes, by B. A. Arbuzov, A. R. Vil'khinakaya, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 7, 1961, pp 2199-2204.

CB

Sci
13 Jun 62 200,395

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Thermal Decomposition of Adducts of Abietic Acid and Its Esters With Maleuxic Anhydride, by B. A. Arbuzov, A. G. Khisamutdinna, 5 PP.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1630-1635.

CB

Sci

202,809

Jul 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Phosphonic Esters Containing Heterocyclic Groups. Communication 6. Reaction of Phosphorous Esters with 2-Furaldehyde, 2-Furoic Acid, and 2-Furanacrylic Acid, by B. A. Arbuzov, V. M. Zoroastrova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1960, pp 1030-1034.

CB

Sci

195,625

May 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Diene Synthesis. Communication 2. Study of Diene Condensation of p-Benzoquinone and 1, 4-Naphthoquinone by the Spectrometric Method, by B. A. Arbuzov, A. I. Konovalov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1960, pp 68-72.

CB

Sci
May 62

192,859

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Synthesis of Esters of Phosphinic Acids Containing Heterocyclic Radicals, Communication 7. Esters of Phosphinic Acid with Mono- and Di-Oxidoquinoxallinic Radicals, by B. A. Arbuzov, V. M. Zoroastrova, L. A. Antokhina, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1961, pp 1016-1021.

CB

200.703

Sci
Apr 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Esters of Phosphoric and Thiophosphoric Acids containing Hetrocyclic Radicals. Communication 3. Compounds with Tetrahydrofurfuryl Radicals. B.A. Arbuzov, V.M. Zorosstrova, 4 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1961, pp 51-54.

CB

198, 117

Sci
Apr 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

B-Keto Phosphonic Esters. Communication V. Structures of the Products of the Reaction of Some a-Halo Ketones of the Carbocyclic Series With Triethyl Phosphite and Sodium Diethyl Phosphite, by B. A. Arbuzov, V. S. Vinogradova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1960, pp 832-84[illegible].

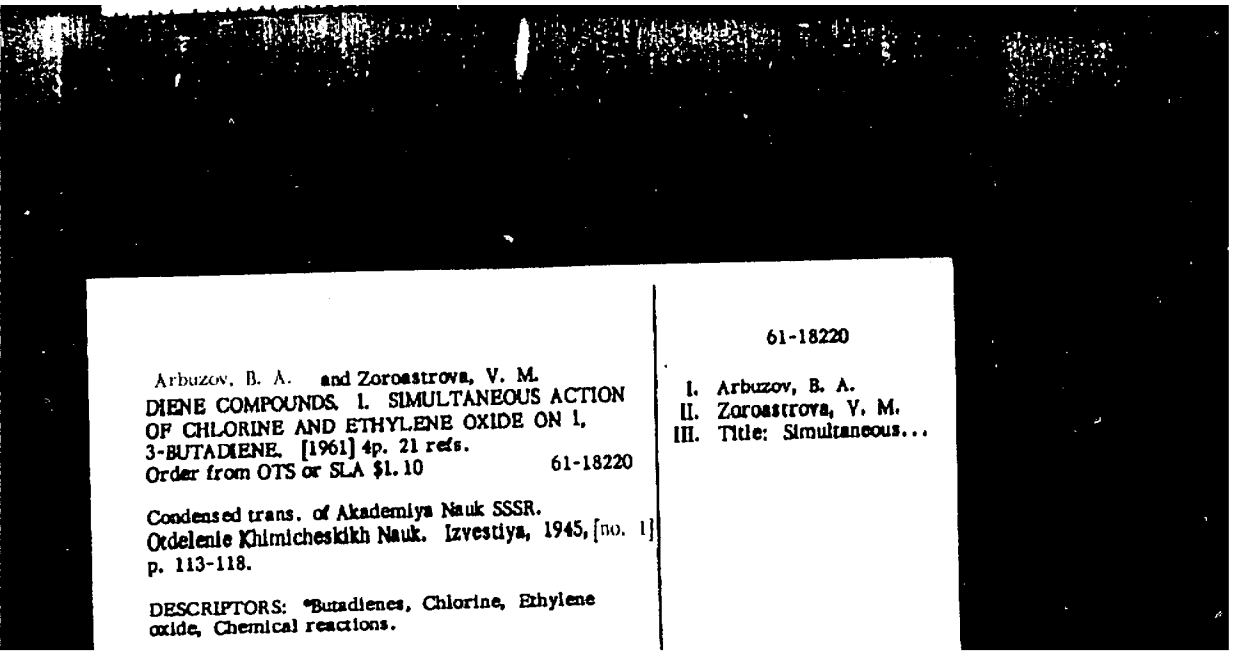
CB

Sci
May 62

194,656

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Arbuzov, B. A. and Zoroastrova, V. M.
DIENE COMPOUNDS. I. SIMULTANEOUS ACTION OF CHLORINE AND ETHYLENE OXIDE ON 1, 3-BUTADIENE. [1961] 4p. 21 refs.
Order from OTS or SLA $1.10 61-18220

Condensed trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1945, [no. 1] p. 113-118.

DESCRIPTORS: *Butadienes, Chlorine, Ethylene oxide, Chemical reactions.

61-18220

I. Arbuzov, B. A.
II. Zoroastrova, V. M.
III. Title: Simultaneous...

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

β-Keto Phosphonic and Phosphinic Esters. Communication 6. Products of the Reaction of Chloro- and Bromo-Acetone with Diethyl Ethylphosphonite and with Sodium Ethyl Ethylphosphonite, by B. A. Arbuzov, V. S. Vinogradova, M. A. Zvereva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1960, pp 1772-1778.

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Heterocyclic Compounds Having Phosphorus in the Ring. Communication 1. Synthesis of Derivatives of 1,2-Oxaphosphorinane and 1,4,2-Dioxaphosphorinane 2-Oxides, by B. A. Arbuzov, D. Kh. Yarmukhametova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1960, pp 1767-1771.

CB

172,227

Sci

Oct 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

2-Cyclopenten-1-ylphosphonic Esters and Some of Their Derivatives, by B. A. Arbuzov, E. N. Diyanova (Ukhvatova), 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1960, pp 1399-1404.

CB

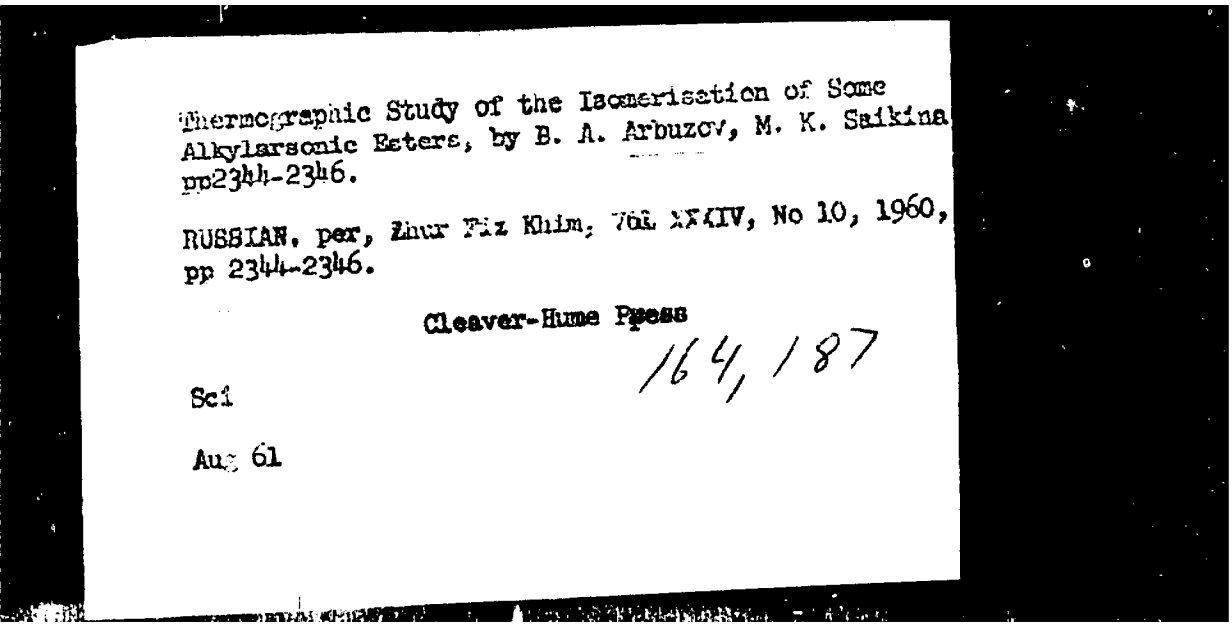
Sci

169, 412

Sep 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Thermographic Study of the Isomerisation of Some Alkylarsonic Esters, by B. A. Arbuzov, M. K. Saikina pp2344-2346.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 10, 1960, pp 2344-2346.

Cleaver-Hume Press

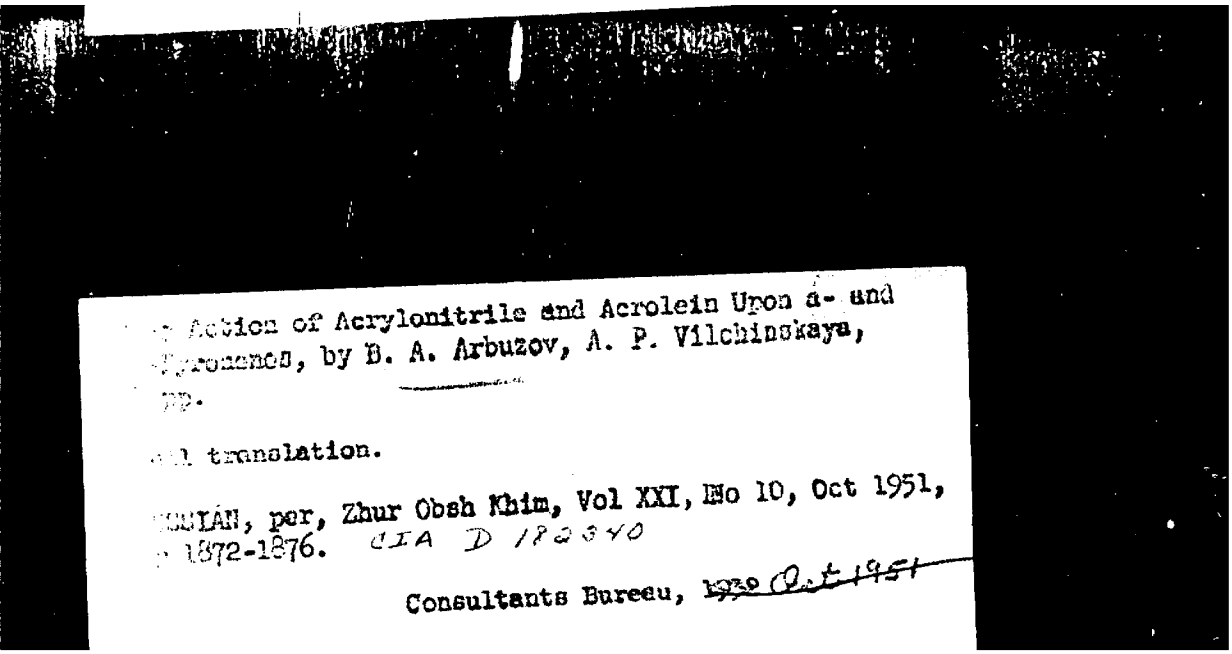
164, 187

Sci

Aug 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Action of Acrylonitrile and Acrolein Upon α- and
Pyrroles, by B. A. Arbuzov, A. P. Vilchinskaya,
pp.

translation.

ZHUIAN, per, Zhur Obsh Khim, Vol XXI, No 10, Oct 1951,
1872-1876. CIA D 182340

Consultants Bureau, ~~1952~~ Oct 1951

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Reduction of 2,3-Epoxypinane and 3,4-Epoxycarane, by Z. G. Isayeva, B. A. Arbuzov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1959, pp 1049-1057.

CB

Sci
Jun 61

157,910

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Phosphoric and Phosphorothioic Esters Containing Heterocyclic Groups. Communication 2. Alkylation of Some Heterocyclic Compounds by Derivatives of Phosphoric and Phosphorous Acids, by B. A. Arbuzov, V. M. Zoroastrova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1959, pp 1037-1040.

CB

157,907

Sci
Jun 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Thermographic Study of the Isomerization of Cyclic Phosphorous Esters of Glycols Containing a Six-Membered Ring Under the Action of Alkyl Halides, by B. A. Arbuzov, V. M. Zoroastrova, M. K. Saikina, EXER 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1959, pp 1579-1584.

CB

Sci -
May 61

152,797

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Study of the Reactions of Phosphorous Esters With Alkyl Halides by the Thermographic Method. Communication 2. Reactions of Aliphatic Phosphites, by B. A. Arbuzov, A. V. Fuzhenkova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1959, pp 1935-1941.

CB

Sci -
May 61

153,081

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Study of the Reactions of Phosphorous Esters With Alkyl Halides by the Thermographic Method. Communication 1. Reactions of Aromatic Phosphites, by B. A. Arbuzov, A. V. Fuzhenkova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk, No 11, 1959, pp 1928-1934.

CB

Sci -
May 61

153.079

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

(DC-3843).

18

The Chemistry of Organophosphorus Compounds and Their Use, by B. A. Arbuzov, 4 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXX, No 3, 1960, pp 103-105.

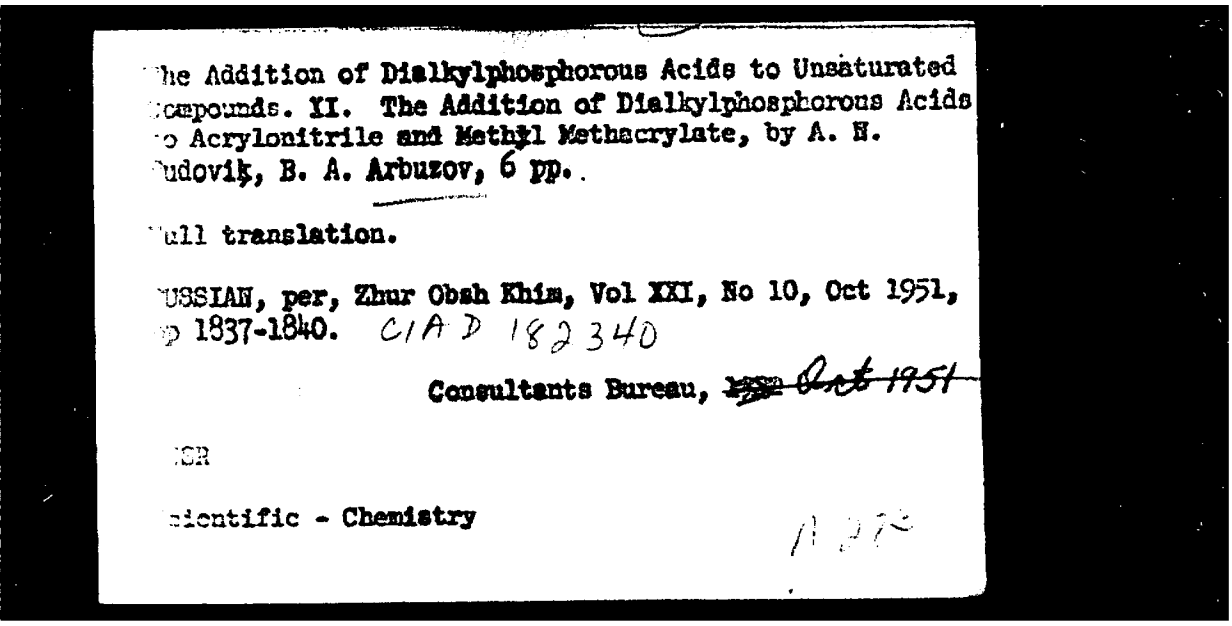
JPRS 3451

Sci - Chem
Jul 60

119,941

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



he Addition of Dialkylphosphorous Acids to Unsaturated
compounds. XI. The Addition of Dialkylphosphorous Acids
o Acrylonitrile and Methyl Methacrylate, by A. N.
udovik, B. A. Arbuzov, 6 pp.

ull translation.

USSIAN, per, Zhur Obsh Khim, Vol XXI, No 10, Oct 1951,
p 1837-1840. CIAD 182340

Consultants Bureau, ~~NYC~~ ~~Oct 1951~~

SR

cientific - Chemistry

A 272

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Viscosity and Structure of Dialkylphosphorous Acids, by B. A. Arbuzov, V.S. Vinogradova, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, May-Jun 1952, pp 507-511.

Consultants Bureau

USSR

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of 7-Benz /a/ Anthracenemethanephosphonic and 12-Methyl-7-benz /a/ Anthracenemethanephosphonic Acids, by B. A. Arbuzov, N. P. Grechkin, 3 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, Jan-Feb 1952, pp [illegible]. 121-123.

Consultants Bureau

USSR

Scientific - Chemistry

Aug 53 CTS 4504

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Esters of Phosphinic Acids That Contain Heterocyclic Radicals. I. Synthesis of Esters of Phosphinic Acids Containing a Thiazole Radical, by A. B. A. Arbuzov, B. P. Lugovkin, 4 pp.

Full translation.

RUSSIAN, per, Zhur Obsh Khim, Vol XXI, No 10, Oct 1951 pp 1869-1871. CIA D 182340

Consultants Bureau, ~~1952~~ Oct 1951

USSR

Scientific - Chemistry

A 3?0

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Esters of Phosphinic Acids that Contain Heterocyclic Radicals. III. The Action of Sodium Diethylphosphite and Triethyl Phosphite on Some Halogen Derivatives of Pyridine and Piperidine, by B.A. Arbuzov and B.P. Lugovkin, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 7, Jul 1952, pp 1199-1203.

Consultants Bureau

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Synthesis of Esters of Phosphinic Acids that Contain Heterocyclic Radicals. II. Ethyl Esters of Phosphinic Acids with Heterocyclic Radicals that Contain Oxygen, by B.A. Arbuzov and B.P.Lugovkin, 6 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XXII, No 7, Jul 1952, pp 1193-1198.

Consultants Bureau

XX USSR
Scientific - Chemistry

Feb 54 CTS

9712

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Addition of Dialkyl Phosphorous Acids to Unsaturated Compounds. I. The Addition of Dialkyl Phosphorous Acids to ββ-Dimethyl Divinyl Ketone, by A. N. Pudovik, B. A. Arbuzov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI, No 2, Feb 1951.

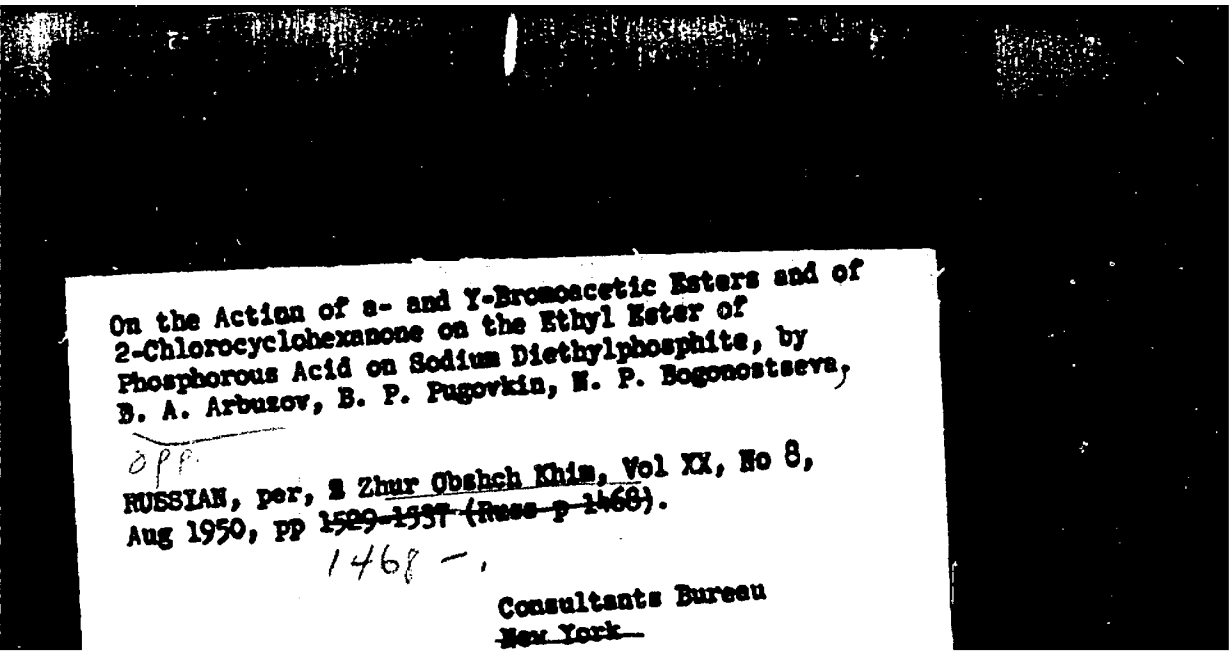
Consultants Bureau Translation

Scientific - Chemistry

12,825

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



On the Action of α- and γ-Bromoacetic Esters and of 2-Chlorocyclohexanone on the Ethyl Ester of Phosphorous Acid on Sodium Diethylphosphite, by B. A. Arbuzov, B. P. Pugovkin, N. P. Bogonostseva,

OPP.

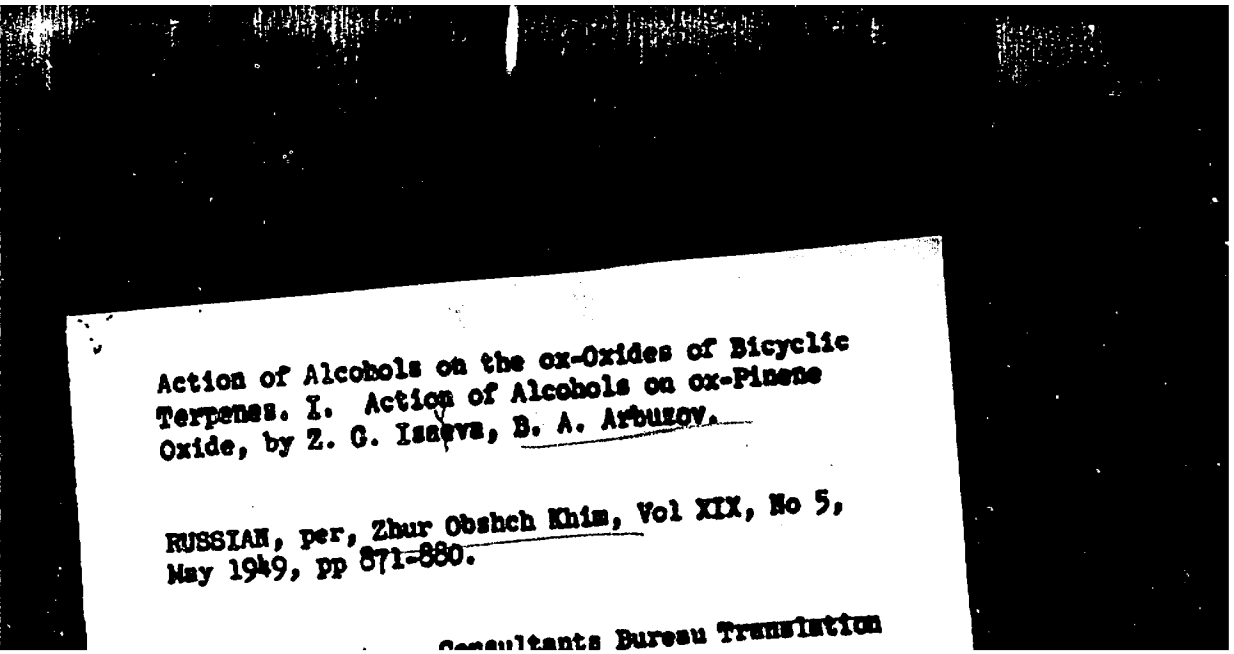
RUSSIAN, per, Z Zhur Obshch Khim, Vol XX, No 8, Aug 1950, PP ~~1529-1537 (Russ p 1468)~~.

1468 -.

Consultants Bureau
~~New York~~

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4



Action of Alcohols on the ox-Oxides of Bicyclic Terpenes. I. Action of Alcohols on ox-Pinene Oxide, by Z. G. Isaeva, B. A. Arbuzov.

RUSSIAN, per, Zhur Obshch Khim, Vol XIX, No 5, May 1949, pp 871-880.

Consultants Bureau Translation

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Action of Alcohols in the ox-Oxides of Bicyclic Terpenes: II. Action of Alcohols on Δ^3-Carene and Camphene Oxides, by Z. G. Izmeva, B. A. Arbuzov.

RUSSIAN, per, Zhur Obshch Khim, Vol XIX, No 5, May 1949 pp 881-892.

Consultants Bureau Translation

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Alkylation of Amines by Dialkylphosphoryl Chlorides, by B. P. Lugovkin, B. A. Arbuzov. 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 11, 1952, pp 2041-2046.

Consultants Bureau

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

The Development of Organic Chemistry in the Light of A. M. Butlerov's Teaching, by B. A. Arbuzov, 10 pp.

Full translation.

RUSSIAN, bi mo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, Jan-Feb 1952, pp 14-28.

Consultants Bureau

USSR

Scientific - Chemistry

Aug 53 CIS 4514

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

B-Keto Phosphomic Esters. Communication 11. Action of Diazomethane on Diethyl Acetyl- and Benzoylphosphonates, by B.A.Arbuzov, V.S. Vinogradova et al, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1963, pp 675-682.

CB

Sci

May 64 256,895

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Δ^3-Carene Dichloride, by B. A. Arbusov and V. A. Frinovskaya, 2 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXII, No 8, Aug 1952, pp 1444-1445.

Consultants Bureau

Sci - Chemistry

Feb 54 CTS

9842

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4

Tin-Phosphorus-Organic Compounds, by B. A. Arbusov, A. N. Pudovik, 8 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12, 1947.

AMC-FTS-6981-RE

AEC Tr 1270

12,824

Also Avail at Brookhaven Nat'l Lab
Scientific - Chemistry

May CTS

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220049-4